

Sheet 1 of 2

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)
Date Submitted to PTO: March 1, 2002

ATTY DOCKET NO.
2002_0288A

SERIAL NO.
NEW

APPLICANT
Takashi KAWASUJI et al.

FLING DATE
March 1, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FLING DATE IF APPROPRIATE
WJ	AA	5,480,887	1/1996				
	AB	5,780,640	7/1998				
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
JZ	AJ	2113687	8/1983	GB			
	AK						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

JS	AO	K Hirai et al. "Synthesis of 2-Disubstituted-amino-4-arylthiazol-5-yl-alikanoic Acids", Chem. Pharm. Bull., Vol. 25, No. 9, pp. 2292-2299, 1977.
	AP	F. R. Heitzler, "Preparation of non-symmetrical 2,3-bis (2,2'-oligopyridyl)pyrazines via 1,2-disubstituted ethanones" Synlett, No. 8, pp. 1203-1206, August 1999.
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EXAMINER

DATE CONSIDERED

5/6/02

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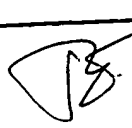

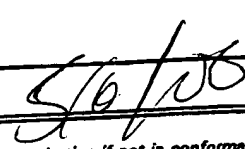
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	BN	Chemical Abstracts, Vol. 101, 1984, Abstract No. 211021, Registry No. 93074-95-4.
	BO	Chemical Abstracts, Vol. 100, 1984, Abstract No. 85565, Registry No. 88474-13-9.
	BP	Chemical Abstracts, Vol. 90, 1979, Abstract No. 72026, Registry No. 69097-74-1 69097-73-0 69097-72-9.
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Takashi KAWASUJI et al.

Serial No. NEW

Filed March 1, 2002

Attn: BOX PCT

Docket No. 2002_0288A

INTEGRASE INHIBITORS COMPRISING
AROMATIC HETEROCYCLE DERIVATIVES
[Corresponding to PCT/JP00/05754
Filed August 25, 2000]

BEST AVAILABLE COPY

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents,
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in international application no. PCT/JP00/05754.

- 1a. ☒ This Information Disclosure Statement is submitted:
- within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or
 - before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,
 - and thus no certification and/or fee is required.

ATTACHMENT C

1b. ☐ This Information Disclosure Statement is submitted
after the events of above paragraph 1a and prior to the mailing date of a final Office Action
or a Notice of Allowance or an action which otherwise closes prosecution in the
application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, or
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:
after the mailing date of a final Office Action or Notice of Allowance or action which
otherwise closes prosecution in the application, and prior to payment of the issue fee, and
thus:

the certification of paragraph 2 below is provided, and
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure
Statement was first cited in any communication from a foreign patent office
in a counterpart foreign application not more than three months prior to the
filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement
was cited in a communication from a foreign patent office in a counterpart
foreign application and, to the knowledge of the person signing the
certification after making reasonable inquiry, was known to any individual
designated in §1.56(c) more than three months prior to the filing of the
Statement.

3. ☐ Consideration of the following list of additional information (including any copending or
abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Takashi KAWASUJI et al.

By Warren M. Cheek, Jr.
Warren M. Cheek, Jr.
Registration No. 33,367
Attorney for Applicants

WMC/dlk
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
March 1, 2002



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

: **Confirmation No. 5732**

Takashi KAWASUJI et al.

: **Attorney Docket No. 2002_0288A**

Serial No. 10/069,999

: **Group Art Unit 1639**

Filed March 1, 2002

: **Examiner Jon Epperson**

**INTEGRASE INHIBITORS COMPRISING
AROMATIC HETEROCYCLE DERIVATIVES**

Mail Stop: Amendment

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975.

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the reference listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____; and/or
- ☐ each reference previously cited in prior parent application Serial No. _____.

1a. ☐ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

- 1b. ☒ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, or

(2) ☒ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Takashi KAWASUJI et al.

By Warren M. Cheek, Jr.
Warren M. Cheek, Jr.
Registration No. 33,367
Attorney for Applicants

WMC/dlk
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
February 17, 2006

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

Date Submitted to PTO: February 17, 2006

ATTY DOCKET NO.
2002_0288ASERIAL NO.
10/069,999APPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002GROUP
1639

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DB	AA	5,480,887	1/1996	Hornback et al.			
DB	AB	5,780,640	7/1998	Kretzschmar et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ							
	AK							
	AL							
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED



JC20 Rec'd PCT/PTO 26 MAR 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PC 1

3

In re application of :
Takashi KAWASUJI et al. : Docket No. 2002-0288A
Serial No. 10/069,999 : Group Art Unit Not Yet Assigned
Filed March 1, 2002 : Examiner Not Yet Assigned

INTEGRASE INHIBITORS COMPRISING :
AROMATIC HETEROCYCLE DERIVATIVES

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents,
Washington, DC 20231

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, or
- (2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

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2. It is hereby certified

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March 26, 2002

FORM PTO 1449 (modified)

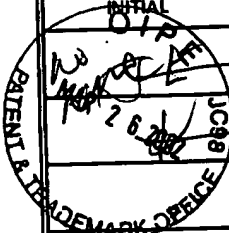
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10/069,999U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
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Date Submitted to PTO: March 28, 2002


APPLICANT
Takashi KAWASUJI et al.FILING DATE
March 1, 2002

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



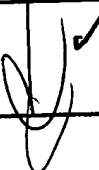
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	CC						

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	CE						

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	CF	Gordon N. Walker et al., "Synthesis of Benzo[f]quinolines and Ergolines from 5-Phenyl-6-methyl-2-pyridones", J. Org. Chem., Vol. 26, pp. 4441-4456, November 1961.
	CG	Rodolfo Nesi et al., "Thermal Rearrangement of Ethyl 5-Nitro-4-phenyl-2-oxa-3-azabicyclo[3.1.0]hex-3-ene-1-carboxylate into a Quinoxaline System", J. Chem. Soc. Chem. Commun., Vol. 23, pp. 1675-1676, July 1990.
	CH	Ana Brbot-Saranovic et al., "Reactions of Ethyl 2-Hydroxy-4-(4-Hydroxy-6-Methyl-2-Pyron-3-YL)-4-Oxo-2-Butenoate With N-Nucleophiles. Synthesis of Isomeric Pyronylpyrazoles and Pyrano[4,3-c]Pyrazoles", Heterocycles, Vol. 29, No. 8, pp. 1559-1571, April 1989.
	CI	Rok Zupet et al., "A Convenient Synthesis of Alkyl Heteroarylpyruvates" Synthetic Communications, 22(15), pp. 2245-2251, April 1992
	CJ	Johannes Meiwes et al., "Asymmetric synthesis of L-thienylalanines", Tetrahedron Asymmetry, Vol. 8, No. 4, pp. 527-536, January 1997.
	CK	V. Boekelheide et al., "Synthesis of Pyrrocolines Unsubstituted in the Five-membered Ring", J. Am. Chem. Soc., Vol. 81, pp. 1456- 1459, March 1959.
	CL	Roger Adams et al., "Condensation Reactions of Picoline 1-Oxides", J. Am. Chem. Soc., Vol. 76, pp. 3168-3171, June 1954.
	CM	Helvetica Chimica Acta, "Vol. 38, No. 176, pp. 1452-1472, 1955.

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